TABLE OF CONTENTS

JANUARY NUMBER

(Issued July 16, 1926)

Portrait of WILHELM OLBERS FOCKE ..... Frontispiece

STADLER, L. J., The variability of crossing over in maize 1

BRINK, R. A., MACGILLIVRAY, J. H., and DEMEREC, M., Effects of the waxy gene in maize pollen,—a reply to criticisms 38

BRIDGES, C. B., and OLBRYCHT, T. M., The multiple stock "Xple" and its use 41

DAVIS, B. M., The segregation of *Oenothera nanella-brevistylis* from crosses with *nanella* and with *Lamarckiana* 57

GREEN, F., The precipitin reaction in relation to grafting 73

ALLEN, C. E., Gametophytic inheritance in Sphaerocarpos. III. The genetic uniformity of typical clones 83

MARCH NUMBER

(Issued August 10, 1926)

HARRIS, J. A., The distribution of the magnitudes of the intermensual correlation coefficient for egg production in the first two laying years in the domestic fowl 89

CLELAND, R. E., Meiosis in the pollen mother cells of *Oenothera biennis* and *Oenothera biennis sulfurea* 127

BRINK, R. A., and ABEGG, F. A., Dynamics of the waxy gene in maize. I. The carbohydrate reserves in endosperm and pollen .. 163

MAY NUMBER

(Issued October 19, 1926)

SHULL, G. H., "Old-gold" flower color, the second case of independent inheritance in Oenothera 201

ALBERTS, H. W., A method for calculating linkage values 235

STARK, M. B., and BRIDGES, C. B., The linkage relations of a benign tumor in Drosophila 249

LESLEY, M. M., Maturation in diploid and triploid tomatoes 267

KOMAI, TAKU, Crippled, a new mutant character of *Drosophila melanogaster*, and its inheritance 280

STRONG, L. C., On the occurrence of mutations within transplantable neoplasms 294

JULY NUMBER

(Issued December 24, 1926)

WHITING, P. W., Heredity of two variable characters in Habrobracon 305

TABLE OF CONTENTS

(CONTINUED)

THOMPSON, W. P., Chromosome behavior in a cross between wheat and rye 317
WRIGHT, SEWALL, and EATON, O. N., Mutational mosaic coat patterns of the guinea-pig 333
LESLEY, J. W., The genetics of *Lycopersicum Esculentum* Mill. I. The trisomic inheritance of "dwarf" 352
HAYS, F. A., Ineritance of plumage color in the Rhode Island Red breed of domestic fowl 355
EYSTER, W. H., The effect of environment on variegation patterns in maize pericarp 372
MACARTHUR, J. W., Linkage studies with the tomato 387

SEPTEMBER NUMBER

(Issued January 24, 1927)

KIESSELBACH, T. A., and PETERSEN, N. F., The segregation of carbohydrates in crosses between waxy and starchy types of maize 407
MANGELSDORF, P. C., and JONES, D. F., The expression of Mendelian factors in the gametophyte of maize 423
FELDMAN, H. W., Unit character inheritance of color in the black rat, *Mus rattus* L 456
EAST, E. M., and MANGELSDORF, A. J., Studies on self-sterility. VII. Heredity and selective pollen-tube growth 466
REDFIELD, Helen, The maternal inheritance of a sex-limited lethal effect in *Drosophila melanogaster* 482

NOVEMBER NUMBER

(Issued April 22, 1927)

STERN, CURT, and BRIDGES, C. B., The mutants of the extreme left end of the second chromosome of *Drosophila melanogaster* 503
ZIRKLE, CONWAY, Some nunerical results of selection upon polyhybrids 531
NADLER, J. E., Effects of temperature on length of vestigial wing in *Drosophila virilis* 584
ICHIJIMA, K., Cytological and genetic studies on Fragaria 590
HEPPNER, M. J., Further evidence on the factor for bitterness in the sweet almond 605
Index 607

CORRIGENDA

Page 62, line 16, for "83" read "82."

Page 64, line 24, for "27" read "37."

Page 70, line 32, for "23.52" read "23.53."

Page 73, line 12, for "sa" read "as", line 12, for "inbotany" read "in botany."

Page 131, for "Plate 1" read "Plate 2."

Page 137, for "Plate 2" read "Plate 1."

Page 154, line 24, for " 'chromosome exchange' " read "interchromosomal crossing over or 'chromosome exchange'."

Page 156, last line, for " 'interchromosomal crossing over' " read "interchromosomal crossing over or 'chromosome exchange.' "

Page 160, last line, for " 'chromosome exchange' " read "interchromosomal crossing over or " 'chromosome exchange.' "

Page 216, line 5, after "old-gold," for the comma substitute a colon.
line 7, after "shown" use a comma instead of a period.
line, 8, for "The" read "the," and for "Ridgeway's" read "Ridgway's."
lines 9 and 11, for "strontiun" read "strontian."

Page 221, line 6 from bottom, for "five" read "six."

Page 225, first line of second paragraph, for "five" read "seven."

Page 230, line 11 from bottom, for "(1923)" read "(1922)."

Page 242, line 10, for "Percentage crossing over equals 110" read "Percentage crossing over equals 100."

Page 286, line 7, for "purple" read "not-purple."

Page 289, line 1, for "Median" read "Middle."
line 3, for "median" read "extra middle."
line 4, for "median" read "middle."

Page 290, lines 7–9, for "usually vertical—*vice versa*" read "dorso-ventral."

Page 331, second line of summary, for "with other" read "with certain other."

Page 317, line 4 from bottom, for "is always 7 so far as known" read "is 7."

Page 330, first line of last paragraph, for "proportion" read "proportions of,' and for "generation" read "generations."

Page 356, line 6, omit comma after blue.

Page 358, line 10, "only" should be followed by a comma.

Page 368, line 3 from bottom, for "four genotypes, namely, BBLLee, BBLlee, BBllEE, and BBllEe," read "two genotypes, namely—BBLLee and BBLlee."

Page 423, for "Received March 1, 1925" read "Received March 1, 1926."

Page 502, Bibliography incomplete.